

MOTION ESTIMATION METHOD USING MULTILEVEL
SUCCESSIONAL ELIMINATION ALGORITHM

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FIG. 1

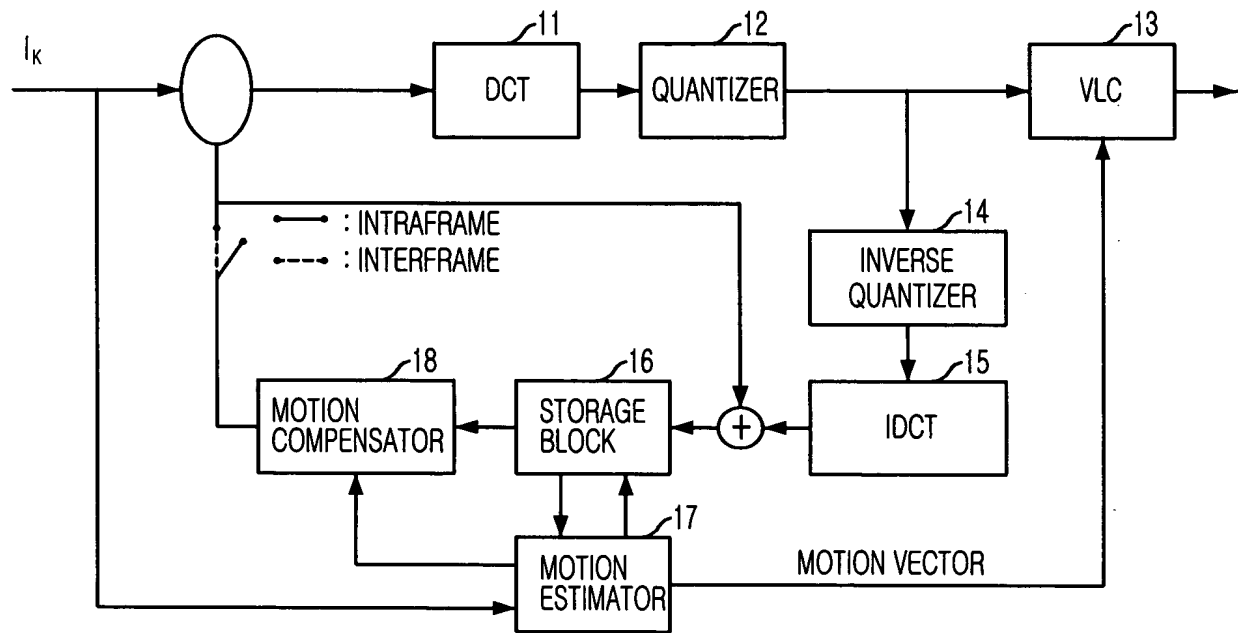
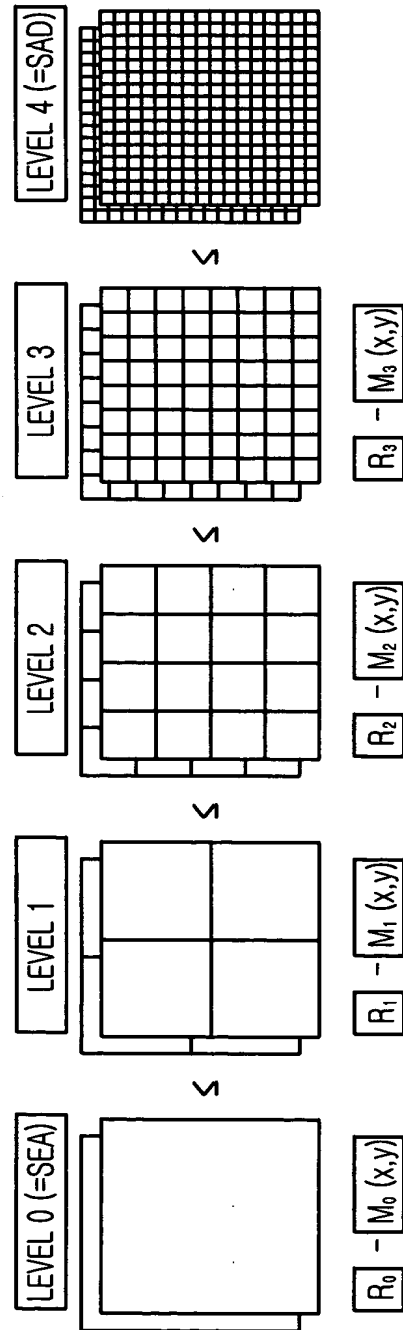


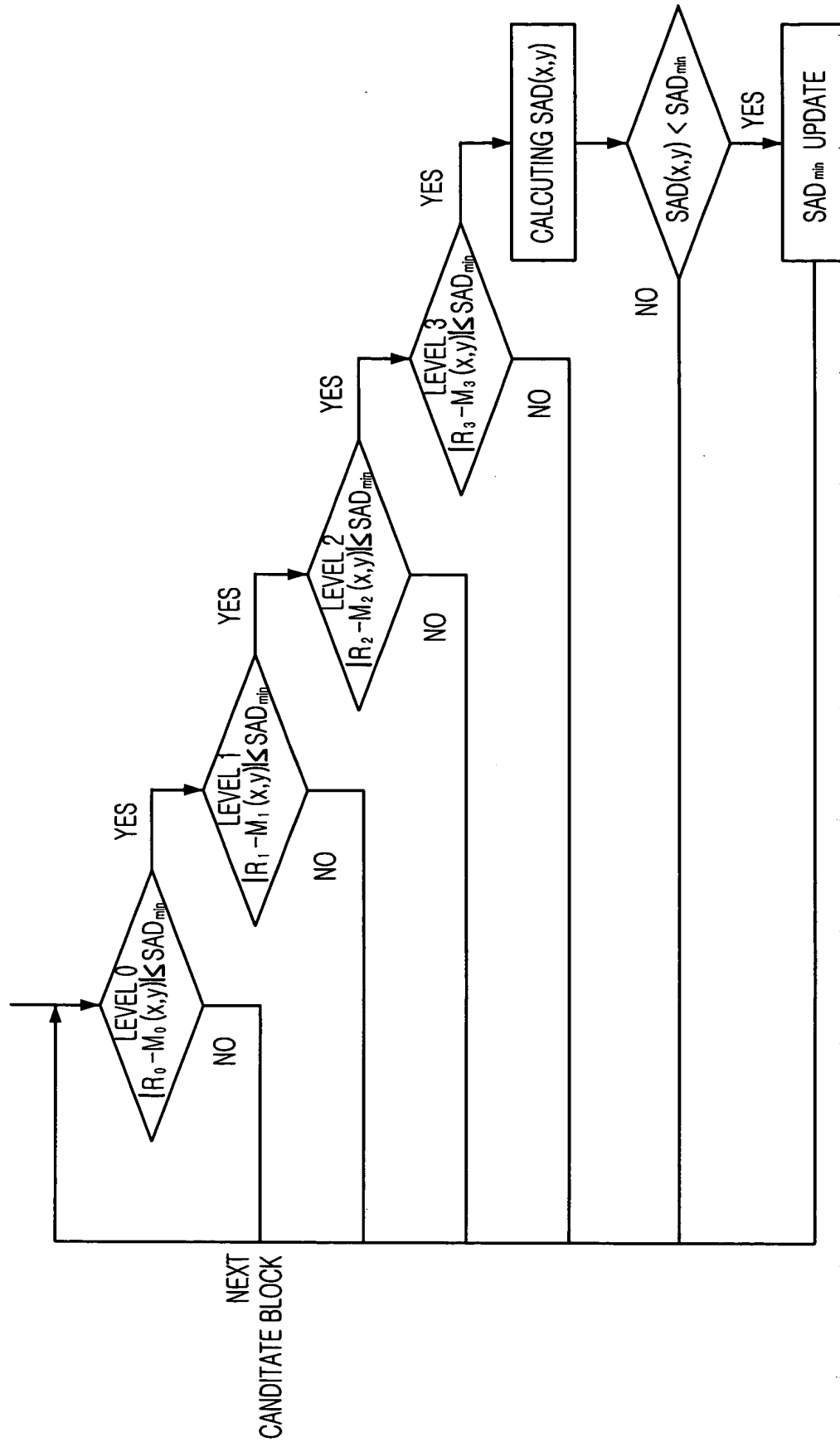
FIG. 2A



$$|R_0 - M_0(x,y)| \leq |R_1 - M_1(x,y)| \leq |R_2 - M_2(x,y)| \leq |R_3 - M_3(x,y)| \leq \text{SAD}(x,y)$$

A) MSEA ALGORITHM

FIG. 2B



B) MSEA PROCESS

FIG. 3

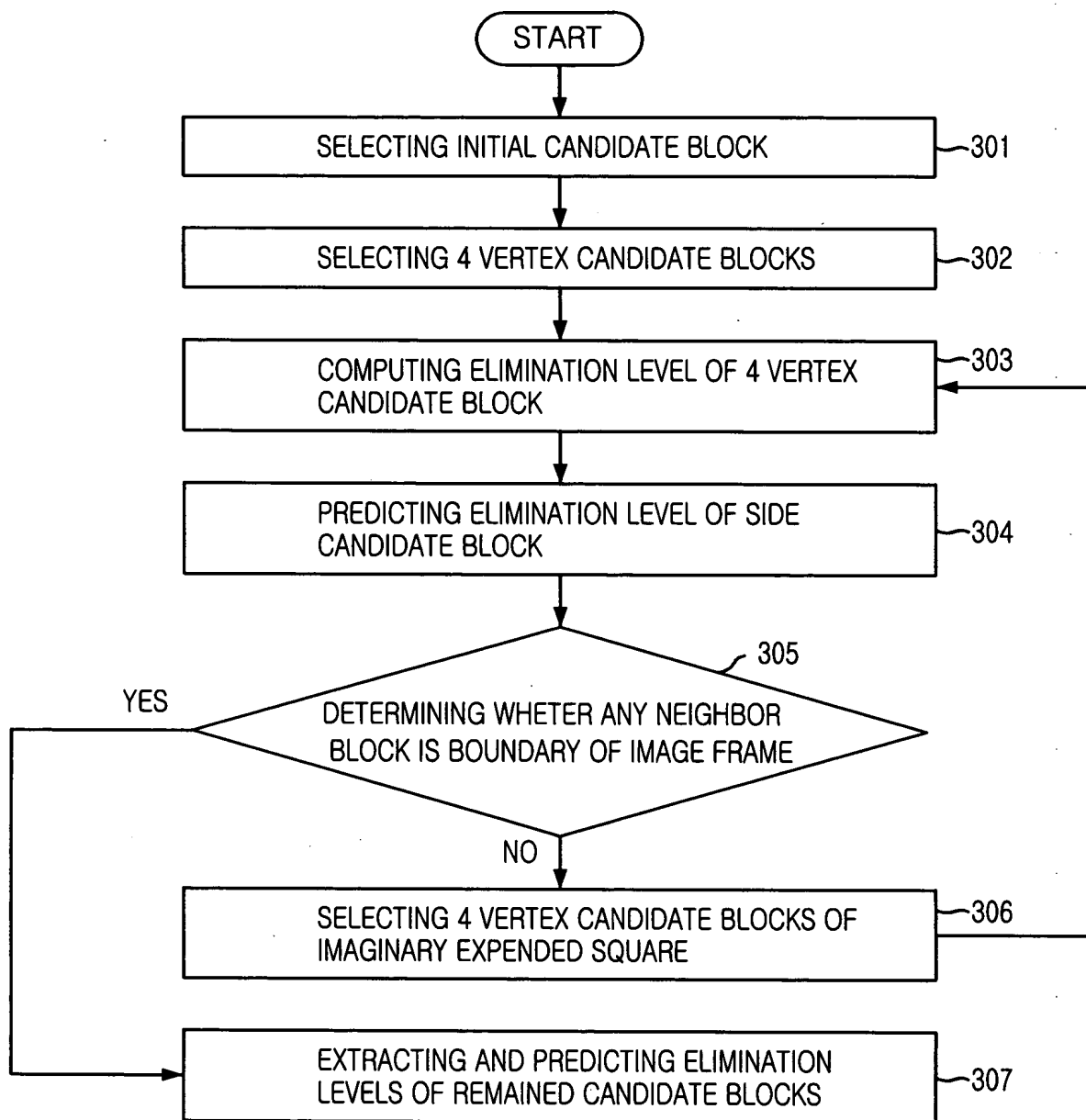


FIG. 4

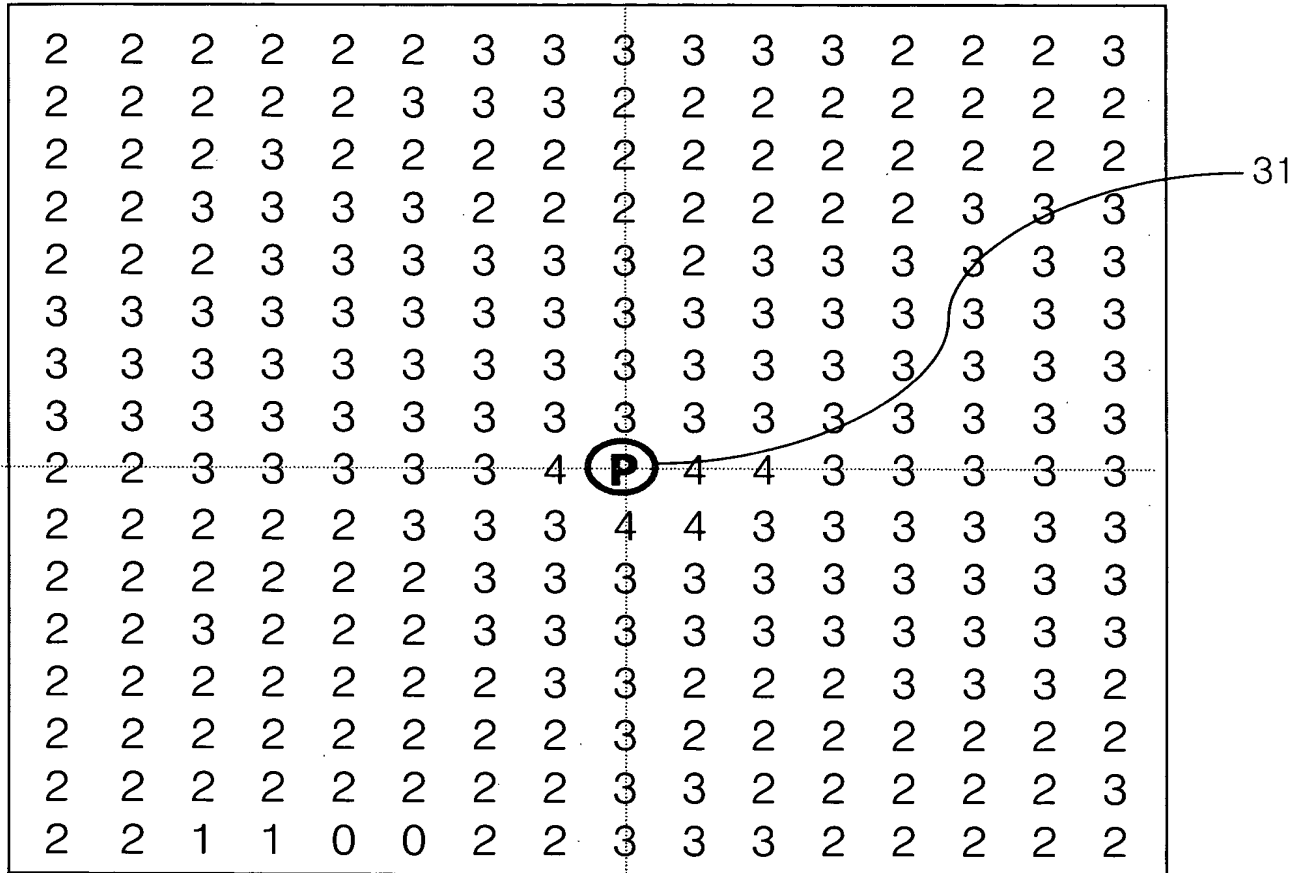
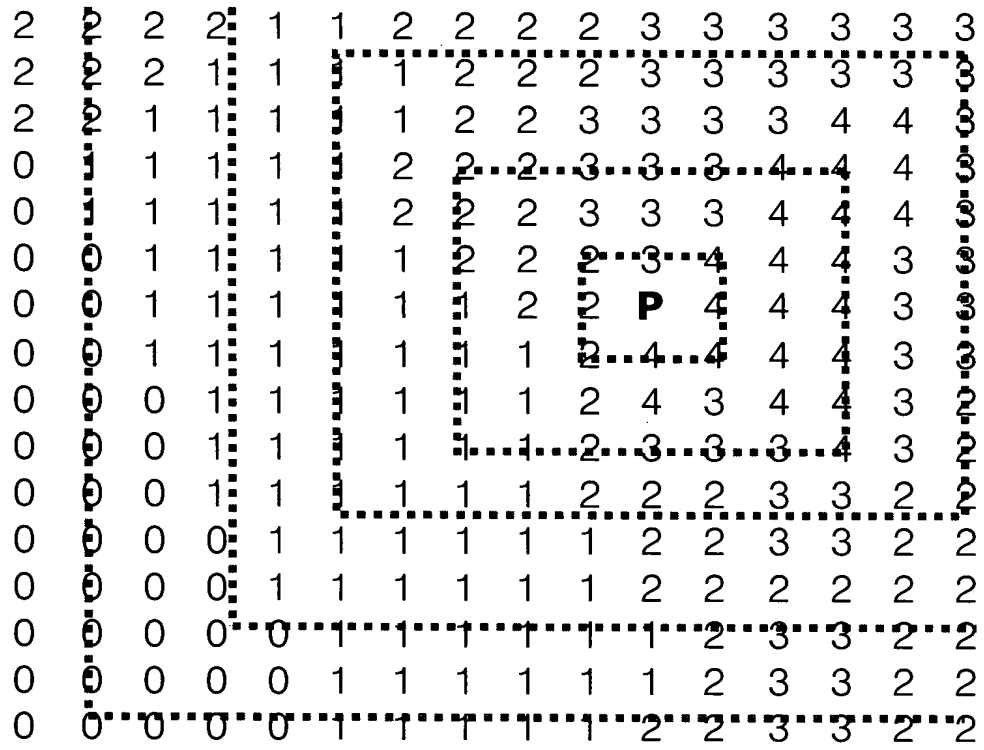


FIG. 6



.... CANDIDATE BLOCKS IN FIRST STEP PROCESS

The figure shows a 15x15 grid of numbers. The grid is divided into four quadrants by dashed lines intersecting at the center (row 7, column 7). The top-left quadrant (rows 1-6, columns 1-6) contains values from 0 to 2. The top-right quadrant (rows 1-6, columns 7-15) contains values from 2 to 4. The bottom-left quadrant (rows 7-15, columns 1-6) contains values from 0 to 1. The bottom-right quadrant (rows 7-15, columns 7-15) contains values from 1 to 4. A central region (rows 4-10, columns 7-14) is highlighted with a dashed border and contains a 'P' at (7, 8). Arrows indicate the direction of the potential gradient, pointing away from the center towards the boundaries.